



Humanistic Computation & Intelligence

Roundtable Session

ROUNDTABLE SESSION · CAADRIA 2026

Academic–Industry Hybrid in *Design Intelligence*

New models for innovation in architecture and emerging technology — three organizational types, three Taiwan-based teams, and you.

DATE ● Thu · 30 April 2026 · 18:30–20:00 VENUE ● Room A (HC105), Guangfu Campus, NYCU

Architectural education is on the edge of a fundamental transformation. The boundary between academia and practice is dissolving, and **AI is accelerating the process** in ways that cannot be managed by incremental reform.

Across the CAAD community, a new kind of organization is emerging — research groups spinning into ventures, teams operating in both worlds at once, companies built around a research identity. **Early signals of a structural shift** in how architectural knowledge is produced and applied.

01 – THREE ORGANIZATIONAL MODELS

TYPE A

University Spinoffs

Research groups that have moved toward independent commercial operation.

TYPE B

Academia–Industry Bridges

Teams operating simultaneously inside both worlds — refusing to choose.

TYPE C

Research-Driven Industry

Companies built around a research identity, partnering with academia as collaborators.

02 – THREE TAIWAN-BASED TEAMS

S **SparkGen** AI × BIM
An AI×BIM company reshaping architecture and real-estate development. LandGen, DesignGen and CostGen automate massing, design generation and cost estimation under Taiwanese regulations — compressing two-person-month cycles to two weeks.

H **Homee AI** SPATIAL AI
Taiwan-based spatial AI for 3D scene reconstruction and generative interior design. A smartphone scans rooms and intelligently furnishes them in seconds; deep vertical integration spans furnishing, real estate, construction and robotics.

C **CHU Studio** CROSS-DISCIPLINARY · EST. 2010
Led by Shao Wei-Yen — architecture, interior and exhibition design with 120+ projects and 32 international awards. Pioneers AI-driven design transformation, courses and methodologies for designers and enterprises.

03 – TWO WAYS TO PARTICIPATE

JOIN US

A As a Sharer
Share the facts, experiences and challenges of your team. No formal submission required; slides optional but recommended.
5–10 MIN · MAX 3 TEAMS · RSVP jhou@arch.nycu.edu.tw

B As a Discussant
Actively join the dialogue while enjoying the catering and social moment. All conference attendees welcome.
OPEN ATTENDANCE · CATERING PROVIDED